

NOVEL GLUCOSE TRANSPORTER/SENSOR PROTEIN AND USES THEREOF

Abstract of the Disclosure

5           The present invention provides a method for determining whether a  
subject has a defect in cell proliferation. The present invention further provides  
a method for assessing the efficacy of therapy to treat a defect in cell  
proliferation in a subject who has undergone or is undergoing treatment for a  
defect in cell proliferation. Also provided by the present invention is a method  
10 for assessing the prognosis of a subject who has a defect in cell proliferation.  
Additionally, the present invention provides a method for treating a defect in  
cell proliferation in a subject in need of treatment thereof by inhibiting GLUTx.  
The present invention also provides methods for treating ischemia in a subject  
in need of treatment thereof. Finally, the present invention provides a method  
15 for treating infertility in a subject in need of treatment thereof.

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